

In place of PTO-1449 Form		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  JUL 08 2004 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Complete if Known	
		Application Number		10/797,344	
		Filing Date		March 10, 2004	
		Applicant(s)		McAnalley et al.	
		Art Unit		1654	
		Examiner Name		Unknown	
		Attorney Docket Number		23100.64	
SHEET	1	OF	10		

#### U. S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document
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Examiner's Initials	Cite No.	Foreign Patent Document	Publication Date	Patentee or Applicant of Cited Document	Translation
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		JP 57/007,420	1/1982		
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		JP 63294766 A	12/1988	TAMAI, SEIJI	

Examiner Signature	<i>W. C. H. H. H.</i>	Date Considered	4/3/2005
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SHEET	2	of	10	Attorney Docket Number	23100.64

OTHER PRIOR ART		
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume, issue number(s), publisher, city/country, where published.
msj		Citkowitz, E., Developmental Biology (1972), 27: 494-503. "Analysis of the Isolated Hyaline Layer of Sea Urchin Embryos."
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mca		Alan D. Elbein, "Inhibitors of the Biosynthesis and Processing of N-Linked Oligosaccharide Chains," Ann. Rev. Biochem., 1987, Vol. 56, Pages 497-534.			
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Examiner Signature	Nichole C. Flood			Date Considered	4/3/2005

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ma7		Johann Deisenhofer et al., "Crystallographic Structural Studies of a Human Fc Fragment," Hoppe-Seyler's Z. Physiol. Chem., 1976, Vol. 357, Pages 1421-1434.	
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Examiner Signature	Michelle C. Farrow		Date Considered
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Examiner Signature	Michele P. Flood	
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Examiner Signature	Michael C. Flood			Date Considered	4/3/2005

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not		Barry P. Peters, et al., "O-Glycosylation of the $\alpha$ -Subunit Does Not Limit the Assembly of Chorionic Gonadotropin $\alpha\beta$ Dimer in Human Malignant and Nonmalignant Trophoblast Cells," Endocrinology, 1989, Vol. 124, No. 4, Pages 1602-1612.
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				Applicant(s)	McAnalley et al.
				Art Unit	1654
				Examiner Name	Unknown
				Attorney Docket Number	23100.64
SHEET	9	of	10		

OTHER PRIOR ART		
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume, issue number(s), publisher, city/country, where published.
MCJ		Andrew V. Muchmore and Jean M. Decker, "An Immunosuppressive 85-Kilodalton Glycoprotein Isolated From Human Pregnancy Urine is a High Affinity Ligand for Recombinant Interleukin 1 $\alpha$ ," The Journal of Biological Chemistry, 1986, Vol. 261, No. 29, Pages 13404-13407.
		Tristram G. Parslow and Dorothy F. Bainton, "Innate Immunity," <u>Medical Immunology</u> , Ninth Edition, 1997, Pages 25-42.
		Philip H. Petra, et al., "Complete Enzymatic Deglycosylation of Native Sex Steroid-Binding Iprotein (SBP or SHBG) of Human and Rabbit Plasma: Effect on the Steroid-Binding Activity," Protein Science, 1991, Vol. 1, Pages 902-909.
		David R. Joseph, et al., "The Role of Asparagine-Linked Oligosaccharides in the Subunit Structure, Steroid Binding, and Secretion of Androgen-Binding Protein," Molecular Endocrinology, 1992, Pages 1127-1134.
		Cheryl A. Conover, "Glycosylation of Insulin-Like Growth Factor Binding Protein-3 (IGFBP-3) is not Required for Potentiation of IGF-I Action: Evidence for Processing of Cell-Bound IGFBP-3," Endocrinology, 1991, Vol. 129, No. 6, Pages 3259-3268.
		Haley E. Melikian, et al., "Inability to N-Glycosylate the Human Norepinephrine Transporter Reduces Protein Stability, Surface Trafficking, and Transport Activity but Not Ligand Recognition," Molecular Pharmacology, 1996, Vol. 50, Pages 266-276.
		Leon A. Bach, et al., "Human Insulin-Like Growth Factor Binding Protein-6 is O-Glycosylated," Biochemical and Biophysical Research Communications, 1992, Vol. 186, No. 1, Pages 301-307.
		L. R. Berghman, et al., "Disappearance Rate of Glycosylated and Non-Glycosylated Chicken Growth Hormone: Influence on Biological Activity," Comp. Biochem. Physiol., 1994, Vol. 108C, No. 2, Pages 161-169.
		Sue M. Firth and Robert C. Baxter, "The Role of Glycosylation in the Action of IGFBP-3," P rogress in Growth Factor Research, 1995, Vol. 6, Nos. 2-4, Pages 223-229.
		Patrick L. Storrington, "Assaying Glycoprotein Hormones - the Influence of Glycosylation on Immunoreactivity," TBTech, December 1992, Vol. 10, Pages 427-432.
		Jacques U. Baenziger, "Editorial: Glycosylation: To What End for the Glycoprotein Hormones?" Endocrinology, 1996, Vol. 137, No. 5, Pages 1520-1522.
		Bruce D. Weintraub, "TSH Immunoassay: Relationship Between Glycosylation & Bioactivity," Nucl. Med. Biol., 1990, Vol. 17, No. 7, Pages 657-660.

Examiner Signature	<i>Michele A. Flood</i>	Date Considered	4/3/2005
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

In place of PTO-1449 Form		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Complete if Known	
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OTHER PRIOR ART					
Examiners' Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume, issue number(s), publisher, city/country, where published			
MOA		John W. Cassels, et al., "Reduced Metabolic Clearance of Acidic Variants of Human Chriogonadotropin From Patients With Testicular Cancer," Cancer, 1989, Vol. 64, Pages 2313-2318.			
		Wolfgang Jelkmann, "Erythropoietin: Structure, Control of Production, and Function," Physiological Reviews, April 1992, Vol. 72, No. 2, Pages 449-489.			
		Alfredo Ulloa-Aguirre, et al., "Immunological and Biological Potencies of the Different Molecular Species of Gonadotrophins," Human Reproduction, 1988, Vol. 3, No. 4, Pages 491-501.			
		Eric D. Green and Jacques U. Baenziger, "Asparagine-Linked Oligosaccharides on Lutropin, Follitropin, and Thyrotropin," The Journal of Biological Chemistry, 1988, Vol. 263, No. 1, Pages 36-44.			
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		L. S1. Haro, et al., "Glycosylated Human Prolactin: Alterations in Glycosylation Pattern Modify Affinity for Lactogen Receptor and Values in Prolactin Radioimmunoassay," Journal of Clinical Endocrinology and Metablism, 1990, Vol. 71, No. 2, Pages 379-383.			
		Masa-aki-Hattori, et al., "Sialic Acid Moiety is Responsible for the Charge Heterogeneity and the Biological Potency of Rat Lutropin," Biochemical and Biophysical Research Communications, March 1985, Vol. 127, No. 2, Pages 501-508.			
✓		Eylard V. Van Hall, et al., "Immunological and Biological Activity of HCG Following Progressive Desialylation," February 1971, Vol. 88, Pages 456-464.			
Examiner Signature	Michelle C. Flood				
Date Considered	4/3/2005				

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